



HARDENED
SERIAL SERVERS



PORTSERVER® TS H MEI

High-performance RS-232/422/485 serial-to-Ethernet connectivity for locations requiring extended temperature tolerance

PortServer TS H MEI is designed for utility plants, pipelines, traffic management facilities and other remote applications requiring a hardened serial-to-Ethernet solution that can withstand extreme temperatures. It is ideal for network-enabling and remotely managing variable message signs, loop detectors, ramp meters or any RS-232/422/485 serial device.

Digi's patented RealPort®, with encryption and user authentication*, makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers instead of requiring a host adapter.

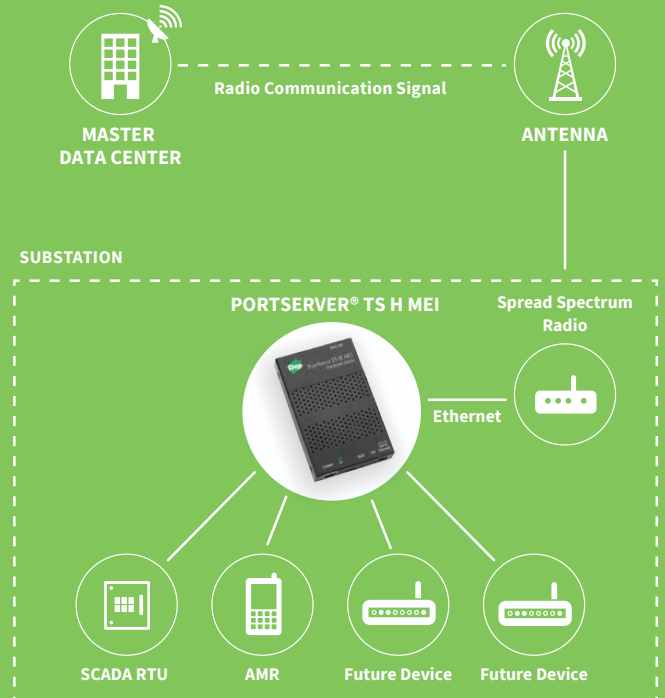
PortServer TS H MEI also delivers data security via SSHv2, port buffering, full SNMP device management and industry leading low latency.

*The RealPort encryption feature is compatible with AIX, HP-UX, Solaris, Linux, Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012. The RealPort authentication feature is compatible only with Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012.

BENEFITS

- Robust, hardened model with extended temperature tolerance (-35° C to +74° C)
- 1, 2 or 4 RS-232/422/485 switch-selectable serial ports
- Patented RealPort for COM/TTY port control and management
- Monitoring and diagnostic utility
- Data security via SSHv2 and SSL/TLS
- Easy configuration through web interface (HTTP/HTTPS)
- Tunable for low latency or optimized for throughput
- Locking barrel power connector

APPLICATION EXAMPLE



RELATED PRODUCTS



PortServer®
TS



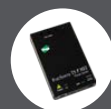
PortServer®
TS MEI



PortServer®
TS Haz MEI



PortServer®
TS M



PortServer®
TS P

SPECIFICATIONS

PortServer® TS 1 H MEI

PortServer® TS 2 H MEI

PortServer® TS 4 H MEI

FEATURES

MANAGEMENT	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority - Remote management diagnostics and auto-discovery tool
PROTOCOLS	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support, PPP
SECURITY	SSHv2, SSL/TLS
SOFTWARE	Supports Digi's Realport® COM port redirector
STATUS LEDS	Link, Activity, Power, Status
OPERATING SYSTEMS	AIX, HP-UX, Solaris, Linux®, Windows® 2000, Windows® XP, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10, Windows Server® 2003, Windows Server® 2008, Windows Server® 2012. Note: TCP/UDP socket services are operating system independent
DIMENSIONS (L X W X D)	5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)
WEIGHT	2.25 oz (64.00 g)
OTHER	Full modem and hardware flow control, Modem emulation, Port buffering, RJ45-DB-9F console adapter included for optional serial configuration, Wall mount kit included

INTERFACES

SERIAL

PORTS	1 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD
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ETHERNET

PORTS	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); Full or half duplex
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POWER REQUIREMENTS

POWER INPUT	9-30 VDC
POWER SUPPLY	12 VDC extended temperature power supply sold separately; Bare-wire "pigtail" power connector included
POWER CONSUMPTION	Typical: 4 W; Max: 6 W
PRODUCT SURGE PROTECTION (ESD)	4 kV burst (EFT) per EN61000-4-4, 2 kV surge transient per EN61000-4-5

ENVIRONMENTAL

OPERATING TEMPERATURE	-35° C to +74° C (-31° F to 165° F)
STORAGE TEMPERATURE	-40° C to +85° C (-40° F to -185° F)
RELATIVE HUMIDITY	5% to 95% (non-condensing)
ETHERNET ISOLATION	1500 VAC min per IEEE802.3/ANSI X3.263
SERIAL PORT PROTECTION (ESD)	15 kV human body model

APPROVALS

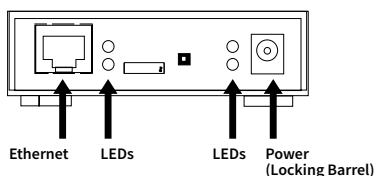
SAFETY	UL/CUL60950, IEC60950, CB
EMISSIONS/IMMUNITY	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99 .05

PART NUMBERS

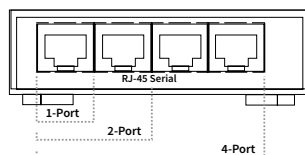
DESCRIPTION

70001917	PortServer TS 1 H MEI
70001918	PortServer TS 2 H MEI
70001919	PortServer TS 4 H MEI

PORTSERVER TS H MEI - FRONT



PORTSERVER TS H MEI - BACK



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DIGI INTERNATIONAL WORLDWIDE HQ
877-912-3444 / 952-912-3444 / www.digi.com

DIGI INTERNATIONAL GERMANY
+49-89-540-428-0

DIGI INTERNATIONAL JAPAN
+81-3-5428-0261 / www.digi-intl.co.jp

DIGI INTERNATIONAL SINGAPORE
+65-6213-5380

DIGI INTERNATIONAL CHINA
+86-21-50492199 / www.digi.com.cn

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